BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Name of the Work : **Improvements to Roads and Drains at Thanisadnra ICICI Bank Surrounding area raods in ward no. 06 Thanisasdra**

Pre Measurements

Job Code : **006-21-000014**

Scanned by CamScanner

BRUHATH BANGALORE MAHANAGARAPALIKE
YELAHANKA ZONE
Pre Measurements

Name of work: Improvements to Roads and Drains at Thanisadnra ICICI Bank Surrounding area raods in ward no. 06 Thanisasdra

Work Order No: BBMP/EE/BTP/WO/160/2020-21 dt: 10.12.2020

JOB NUMBER: 006-21-000014

Estimate Cost: 100.00 lakhs.

As No: AS/EE(BTP)/20/2020-21 Dt: 25.08.2020

Ts No :TS/ SE(YNK) /14/2020-21 dt : 26.08.2020

Name of Contractor : Sri. M.L Dhananjaya

Sl No	Description of item	Unit	No	L	B	D	Qty
1	KSRRB 300-1. **Earthwork excavation by manual means for roads,** drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(P.No-143 &136 ,I No-19.1&17.4& 17.1) 5km lead= 57+2.0x1.28x5 =69.80						
	For RCC Drain - Fatima Layout						
a	**Left side cross roads**						
	Cross Road-4 W-1012	Cum	1	30.00	1.05	1.05	33.08
			1	4.00	1.05	1.05	4.41
	Cross Road-5 W -1008	Cum	1	30.00	0.90	0.90	24.30
			1	9.50	0.90	0.90	7.70
	Cross Road -7 W0994	Cum	1	30.00	0.90	1.05	28.35
			1	5.00	0.90	1.05	4.73
b	**Right side cross roads**						
	Cross Road -3	Cum	1	27.60	0.90	[illegible]	26.08
	Cross Road-5	Cum	2	30.00	0.90	0.90	48.60
			2	14.40	0.90	0.90	23.33
c	SWD connecting drain	Cum	1	16.70	1.20	1.35	27.05
d	**Main Road Right Side -(W 1429)**	Cum	1	30.00	1.25	1.05	39.38
			1	13.70	1.25	1.05	17.98
			1	30.00	1.25	1.05	39.38
			1	8.40	1.25	1.05	11.03
			1	30.00	1.25	1.05	39.38
			1	3.40	1.25	1.05	4.46
			1	29.20	1.25	1.05	38.33
			1	23.50	1.25	1.05	30.84
e	**Main Road Left Side - (W 1429)**	Cum	1	30.00	1.25	1.10	41.25
			1	30.00	1.25	1.10	41.25
			1	30.00	1.25	1.10	41.25
			1	30.00	1.25	1.10	41.25
			1	30.00	1.25	1.10	41.25
			1	30.00	1.25	1.10	41.25
			1	14.00	1.25	1.10	19.25
f	**1st cross road - R/s (W 1421)**	Cum	1	30.00	1.10	1.10	36.30
			1	23.00	1.10	1.10	27.83
g	**2nd cross road - R/s (W 1411)**	cum	1	30.00	1.10	1.10	36.30
			1	30.00	1.10	1.10	36.30
h	**cross road - R/s (W 1401)**	cum	1	30.00	1.10	1.10	36.30
			1	18.00	1.10	1.10	21.78
i	**For Culverts**						

Scanned by CamScanner

	For Culverts							
	Cd1	Cum	1	6.20	2.00	0.15	1.86
	Cd2		1	7.00	2.00	0.15	2.10
	Cd3		1	7.60	2.00	0.15	2.28
	Cd4		1	5.50	2.00	0.15	1.65
	Cd5		1	6.90	2.00	0.15	2.07
	Cd6		1	6.20	2.00	0.15	1.86
	Cd7		1	9.00	2.10	0.15	2.84
C	**For CC Road- Fatima Layout**						
a	**Left side cross roads**						
	Cross Road -1	Cum	1	15.00	2.50	0.15	5.63
	Cross Road - 2		1	14.50	2.50	0.15	5.44
		Cum	1	15.00	3.00	0.15	6.75
	Cross Road -4		1	15.00	3.00	0.15	6.75
		Cum	1	15.00	3.25	0.15	7.31
			1	15.00	3.25	0.15	7.31
	Cross Road -5		1	9.50	3.25	0.15	4.63
		Cum	1	15.00	3.50	0.15	7.88
			1	15.00	3.50	0.15	7.88
	Cross Road -7		1	10.00	3.50	0.15	5.25
		Cum	1	15.00	4.00	0.15	9.00
			1	15.00	4.00	0.15	9.00
			1	14.00	4.00	0.15	8.40
b	**Right side Cross roads**						
	Cross Road 1	Cum	1	14.00	3.00	0.15	6.30
	Cross Road -2	Cum	1	15.00	2.70	0.15	6.08
			1	10.00	2.70	0.15	4.05
	Cross Road -5	Cum	1	15.00	4.00	0.15	9.00
			1	15.00	4.00	0.15	9.00
			1	14.00	4.00	0.15	8.40
	Cross Road -6		1	30.00	3.70	0.15	16.65
			1	11.00	3.85	0.15	6.35
			1	16.50	4.35	0.15	10.77
	Ramp Cd		2	6.50	0.30	0.10	0.39
			2	6.80	0.30	0.15	0.61
			2	7.70	0.30	0.10	0.46
			2	6.00	0.30	0.15	0.54
				Actiual Qty			**312.95**
				Ltd to			**312.90**

12/01/2024
Ward No. 06

12/01/2024

4	KSRB M2200-6 Providing T.M.T bars Fe 500 steel reinforcement for RCC work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. MORTH Specification NO.1600 & 2200 Specification No. Pg No 229 Item No 28.8.2						
	for RCC drain	Tonne					
	10 mm dia main bars						
	Cross Road-4 W-1012		231	2	1.95		900.00
			31	2	1.95		120.00

Scanned by CamScanner

Cross Road-5 W -1008		231	2	1.95		900.00
		73	2	1.95		285.00
Cross Road -7 W0994		231	2	1.95		900.00
		38	2	1.95		150.00
Right side cross roads		0		1.95		
Cross Road -3		212	2	1.95		828.00
Cross Road-5		231	4	2.20		2030.77
		111	2	2.20		487.38
SWD connecting drain		128	2	2.35		603.77
Main Road Right Side -(W 1429)		231	2	2.35		1084.62
		105	2	2.35		495.31
		231	2	2.35		1084.62
		65	2	2.35		303.69
		231	2	2.35		1084.62
		26	2	2.35		122.92
		225	2	2.35		1055.69
		181	2	2.35		849.62
Main Road Left Side - (W 1429)		231	2	2.35		1084.62
		231	2	2.35		1084.62
		231	2	2.35		1084.62
		231	2	2.35		1084.62
		231	2	2.35		1084.62
		231	2	2.35		1084.62
		231	2	2.35		1084.62
		108	2	2.35		506.15
1st cross road - R/s (W 1421)		231	2	2.35		1084.62
		177	2	2.35		831.54
2nd cross road - R/s (W 1411)		231	2	2.35		1084.62
		231	2	2.35		1084.62
cross road - R/s (W 1401)		231	2	2.35		1084.62
		138	2	2.35		650.77
			Total Length in Mtr			**26120.62**
		A	**wt @ 0.62kg/mtr**			**16194.78**
8 mm dia distribution bars						
Cross Road-4 W-1012		14	30.00			420.00
		14	4.00			56.00
Cross Road-5 W -1008		14	30.00			420.00
		14	9.50			133.00
Cross Road -7 W0994		14	30.00			420.00
		14	5.00			70.00
Right side cross roads		14				
Cross Road -3		14	27.60			386.40
Cross Road-5		14	30.00			420.00
		14	14.40			201.60
SWD connecting drain		14	16.70			233.80
Main Road Right Side -(W 1429)		14	30.00			420.00
		14	13.70			191.80
		14	30.00			420.00
		14	8.40			117.60
		14	30.00			420.00
		14	3.40			47.60
		14	29.20			408.80
		14	23.50			329.00
Main Road Left Side - (W 1429)		14	30.00			420.00

Scanned by CamScanner

			14	30.00			420.00
			14	30.00			420.00
			14	30.00			420.00
			14	30.00			420.00
			14	30.00			420.00
	1st cross road - R/s (W 1421)		14	14.00			196.00
			14	30.00			420.00
	2nd cross road - R/s (W 1411)		14	23.00			322.00
			14	30.00			420.00
	cross road - R/s (W 1401)		14	30.00			420.00
			14	30.00			420.00
			14	18.00			252.00
				Total Length in Mtr			10085.60
	for culverts		B	wt @ 0.39kg/mtr			3933.38
	12 mm dia bars						
	Cd1						
	Cd2		41	2.45	2		200.90
	Cd3		47	2.45	2		230.30
	Cd4		51	2.45	2		249.90
	Cd5		37	2.45	2		181.30
	Cd6		46	2.45	2		225.40
	CD7		41	2.45	2		200.90
			60	2.45	2		294.00
				Total Length in Mtr			1288.70
	10 mm dia bars		C	wt @ 0.89kg/mtr			1146.943
			14	6.20			86.80
			14	7.00			98.00
			14	7.60			106.40
			14	5.50			77.00
			14	6.90			96.60
			14	6.20			86.80
			14	9.00			126.00
				Total Length in Mtr			551.60
			D	wt @ 0.62kg/mtr			341.99
			Total Wt in Kgs (A to D)				21617.10
				Actiual Qty			21.62
				Limited to			21.57

Assistant Engineer
Ward No. 06

Assistant Executive Engineer
Byatarayanapura Sub Division

7	KSRP&BM300-14, **Excavation for roadwork in all types of soil** by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 10km lead= (I No-19.14,P No-143)						
	Fatima Layout						
a	**Left side cross roads**						
	Cross Road -1 W 1024	Cum	1	15.00	2.60+2.30	0.45	16.54
					2		
			1	14.40	2.3+2.4	0.45	15.23
					2		

Scanned by CamScanner

	Cross Road - 2 W 1020	Cum	1	15.00	3.1+3.1	0.45	20.93
					2		
			1	17.80	3.1+3.05	0.45	24.63
	Cross Road -4 W1012				2		
		Cum	1	15.00	3.60+3.05	0.45	22.44
					2		
			1	15.00	3.05+2.40	0.45	18.39
					2		
			1	9.00	2.4+3.0	0.45	10.94
	Cross Road -5 W 1008				2		
		Cum	1	15.00	2.75+3.50	0.45	21.09
					2		
			1	15.00	3.50+3.50	0.45	23.63
					2		
			1	10.80	3.50+3.60	0.45	17.25
	Cross Road -7 W0994				2		
		Cum	1	15.00	3.60+3.80	0.45	24.98
					2		
			1	15.00	3.80+3.70	0.45	25.31
					2		
			1	13.60	3.70+3.25	0.45	21.27
b	**Right side Cross roads**				2		
	Cross Road 1 No Id	Cum	1	14.15	2.95+2.70	0.45	17.99
					2		
	Cross Road -2 W1026	Cum	1	15.00	2.50+2.10	0.45	15.53
					2		
			1	10.80	2.10+1.65	0.45	9.11
					2		
	Cross Road -5 W 1014	Cum	1	15.00	4.0+3.40	0.45	24.98
					2		
			1	15.00	3.40+3.50	0.45	23.29
					2		
			1	14.40	3.50+3.70	0.40	20.74
					2		
	Cross Road -6 W 1004		1	15.00	2.75+3.50	0.45	21.09
					2		
			1	15.00	3.50+3.50	0.45	23.63
					2		
			1	10.80	3.0+3.60	0.45	16.04
					2		
	Cross Road -7 W 0996		1	15.00	4.30+4.30	0.45	29.03
					2		
			1	18.35	4.30+4.30	0.40	31.56
					2.00		
					Total Qty		**495.59**
	deduction						
	manholes		14	0.785	0.81	0.45	**4.01**
	Receiver chambers		50	0.45	0.45	0.45	**4.56**
					Total ded		**8.56**
					Net qty		**487.03**
					Ltd to		**486.85**
	~~Fatima Layout~~						

ಸಹಾಯಕ ಆಧಿಯರಕರರು
ಬಿ.ಬಿ.ಎಂ.ಪ ಚ್ಯಾಮರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Scanned by CamScanner

SRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.(I No-19.64,P No-147)

	Left side cross roads						
	Cross Road -1 W 1024	sqm	1	15.00	2.60+2.30		36.75
					2		
			1	14.40	2.3+2.4		33.84
					2		
	Cross Road - 2 W 1020	sqm	1	15.00	3.1+3.1		46.50
					2		
			1	17.80	3.1+3.05		54.74
					2		
	Cross Road -4 W1012	sqm	1	15.00	3.60+3.05		49.88
					2		
			1	15.00	3.05+2.40		40.88
					2		
			1	9.00	2.4+3.0		24.30
					2		
	Cross Road -5 W 1008	sqm	1	15.00	2.75+3.50		46.88
					2		
			1	15.00	3.50+3.50		52.50
					2		
			1	10.80	3.60+3.50		38.34
					2		
	Cross Road -7 W0994	sqm	1	15.00	3.60+3.80		55.50
					2		
			1	15.00	3.80+3.70		56.25
					2		
			1	13.60	3.70+3.25		47.26
b	**Right side Cross roads**				2		
	Cross Road 1 No Id	sqm	1	14.15	2.95+2.70		39.97
					2		
	Cross Road -2 W1026	sqm	1	15.00	2.50+2.10		34.50
					2		
			1	10.80	2.10+1.65		20.25
					2		
	Cross Road -5 W 1014	sqm	1	15.00	4.0+3.40		55.50
					2		
			1	15.00	3.40+3.50		51.75
					2		
			1	14.40	3.50+3.70		51.84
					2		
	Cross Road -6 W 1004	sqm	1	15.00	2.75+3.50		46.88
					2		
			1	15.00	3.50+3.50		52.50
					2		
			1	10.80	3.0+3.60		35.64
					2		
	Cross Road -7 W 0996	sqm	1	15.00	4.30+4.30		64.50
					2		
			1	18.35	4.30+4.30		78.91
					2		

Scanned by CamScanner

				Total Qty		1115.83
eduction						
anholes		14	0.785	0.81		11.34
Receiver chambers		50	0.45	0.45		22.50
				Total ded		33.84
				Net qty		1081.99
				Ltd to		1081.89

Ward No.06

9	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision.(I No-20.5,P No- 153)						
	Fatima Layout						
a	**Left side cross roads**						
	Cross Road -1 W 1024	Cum	1	15.00	2.60+2.30	0.15	5.51
					2		
			1	14.40	2.3+2.4	0.15	5.08
					2		
	Cross Road - 2 W 1020	Cum	1	15.00	3.1+3.1	0.15	6.98
					2		
			1	17.80	3.1+3.05	0.15	8.21
					2		
	Cross Road -4 W1012	Cum	1	15.00	3.60+3.05	0.15	7.48
					2		
			1	15.00	3.05+2.40	0.15	6.13
					2		
			1	9.00	2.4+3.0	0.15	3.65
					2		
	Cross Road -5 W 1008	Cum	1	15.00	2.75+3.50	0.15	7.03
					2		
			1	15.00	3.50+3.50	0.15	7.88
					2		
			1	10.80	3.50+3.60	0.15	5.75
					2		
	Cross Road -7 W0994	Cum	1	15.00	3.60+3.80	0.15	8.33
					2		
			1	15.00	3.80+3.70	0.15	8.44
					2		
			1	13.60	3.70+3.25	0.15	7.09
					2		
b	**Right side Cross roads**						
	Cross Road 1 No Id	Cum	1	14.15	2.95+2.70	0.15	6.00
					2		
	Cross Road -2 W1026	Cum	1	15.00	2.50+2.10	0.15	5.18
					2		
			1	10.80	2.10+1.65	0.15	3.04
					2		
	Cross Road -5 W 1014	Cum	1	15.00	4.0+3.40	0.16	8.88

Scanned by CamScanner

				2		
	1	15.00	3.40+3.50	0.15	7.76
			2		
	1	14.40	3.50+3.70	0.15	7.78
Cross Road -6 W 1004			2		
	1	15.00	2.75+3.50	0.15	7.03
			2		
	1	15.00	3.50+3.50	0.15	7.88
			2		
	1	10.80	3.0+3.60	0.15	5.35
			2		
Cross Road -7 W 0996	1	15.00	4.30+4.30	0.15	9.68
			2		
	1	18.35	4.30+4.30	0.15	11.84
			2.00		
			Total Qty		**167.93**
deduction					
manholes	14	0.785	0.81	0.15	**1.34**
Receiver chambers	50	0.45	0.45	0.15	**1.52**
			Total ded		**2.85**
			Net qty		**165.08**
			Ltd to		**164.96**

02/01/2021

Assistant Engineer

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P., Bengaluru-24

Scanned by CamScanner